

TABLE 2.4

**WELL PURGING AND SAMPLING SUMMARY
NAPL PLUME CONTAINMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Well I.D.</i>	<i>Sample I.D.</i>	<i>Sample Date</i>	<i>Sample Time</i>	<i>Initial</i>	<i>Depth</i>	<i>Standing</i>	<i>Purge Volume (Gallons)</i>	<i>Sample Parameters</i>				<i>Final Water Quality</i>	<i>Comments</i>
				<i>Water Level (ft. BTOC)</i>	<i>of Well (ft. BTOC)</i>	<i>Well Volume (Gallons)</i>		<i>pH</i>	<i>Cond (uS/cm)</i>	<i>Temp (°C)</i>	<i>Turbidity (NTU)</i>		
A2U	A2U1102	11/05/02	10:50	21.45	45.4	20.0	100	7.7	1158	13	-	clear / napl sheen / odor	
B1M	B1M1102	11/04/02	9:30	72.20	57	7.0	35	7.12	3990	12	-	clear / sulfur odor	
B1U	B1U1102	11/04/02	9:20	28.17	83	19.0	95	7.04	873	12.3	-	clear / sulfur odor	
B1U	L1U1102	11/04/02	8:00	28.17	83	19.0	95	7.04	873	12.3	-	clear / sulfur odor	Dup of B1U1102
C1L	C1L1102	11/04/02	10:40	98.62	83	3.5	21	6.77	11350	11.7	-	clear / odorless	
C1M	C1M1102	11/04/02	9:30	77.80	104	5.0	25	6.81	3370	11.3	-	cloudy / grey / odor	
C1U	CIU1102	11/04/02	9:00	37.49	-	16.0	80	6.84	1430	11.4	-	clear / odorless	MS / MSD
CD3U	CD3U1102	11/06/02	11:30	48.55	45.4	19.0	95	6.74	1216	10.8	-	clear / odorless	
D3U	D3U1102	11/11/02	10:00	41.40	55.6	204.0	814	7.44	1722	13.4	-	clear / odorless	
E1U	E1U1102	11/05/02	9:10	21.32	55.5	23.0	115	6.7	22700	11.3	-	clear / odorless	
E3M	E3M1102	11/05/02	8:35	75.95	104	12.0	60	6.76	3700	11.1	-	clear / odorless	Dup of E3M1102
E3M	L3U1102	11/05/02	7:30	75.95	104	12.0	60	6.76	3700	11.1	-	clear / odorless	
E3U	E3U1102	11/07/02	11:15	12.50	138	230.0	1150	7.55	3880	12.3	-	clear / odorless	
F1M	F1M1102	11/05/02	9:40	65.58	85.8	29.0	145	6.78	34800	10.7	-	clear / odorless	
G4U	G4U1102	11/06/02	12:40	24.97	124	21.0	105	7.65	140	11.8	-	clear / odorless	
H1U	H1U1102	11/06/02	11:10	24.82	48.3	25.0	125	7.38	721	11	-	clear / odorless	
H3L	H3L1102	11/06/02	12:00	62.43	147	50.0	250	7.34	5510	11.3	-	clear / sulfur odor	
J1U	J1U1102	11/04/02	10:05	23.13	94	16.5	82.2	7.48	250	12.4	-	clear / no odors	
J2M	J2M1102	11/05/02	10:15	56.30	81.5	32.0	160	7.89	134	11.3	-	clear / sulfur odor	
J3L	J3L1102	11/05/02	9:20	68.78	110	45.0	225	6.33	29300	11.1	-	clear / sulfur odor	MS / MSD
RINSE	NPWRIN11102	11/05/02	7:00	-	-	-	-	-	-	-	-	-	Rinse Blank
RINSE	NPWRIN21102	11/11/02	7:00	-	-	-	-	-	-	-	-	-	Rinse Blank

Notes:

- (1) All wells are 4"Ø , except D3U and E3U (former purge wells PW-2U and PW-5U) which are 12"Ø.
Cond Specific Conductivity.
Dup Duplicate Sample.
ft. BTOC Feet Below Top of Casing.
MS / MSD Matrix Spike / Matrix Spike Duplicate.
NTU Normal Turbidity Units.
s.u. Standard pH Units.
Temp Temperature.

TABLE 2.5

**ANALYTICAL RESULTS SUMMARY
NAPL PLUME CONTAINMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

Sample Location:		A2U	B1M	B1U	B1U	C1L	C1M	C1U	CD3U	D3U	E1U	E3M	E3M	E3U
Sample ID:		A2U1102	B1M1102	B1U1102	L1U1102	C1L1102	C1M1102	C1U1102	CD3U1102	D3U1102	E1U1102	E3M1102	L3U1102	E3U1102
Sample Date:		11/05/02	11/04/02	11/04/02	11/04/02	11/04/02	11/04/02	11/04/02	11/06/02	11/11/02	11/05/02	11/05/02	11/05/02	11/07/02
		Duplicate												
Parameter	Unit													
Acids														
2-Chlorobenzoic acid	mg / L	0.0450	0.146	0.299	0.308	0.112	0.0250 U	0.0690	0.0293	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
3-Chlorobenzoic acid	mg / L	0.0300 U	0.0300 U	0.123	0.123	0.0300 U	0.0300 U	0.0557	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.0300 U
4-Chlorobenzoic acid	mg / L	0.00893	0.005 U	0.0325	0.0315	0.005 U	0.005 U	0.005 U	0.0133	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
Benzoic acid	mg / L	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.0250 U
Chlorendic acid	mg / L	0.522	0.288	0.553	0.548	0.509	0.547	0.900 J	0.271	0.261	0.357	0.0500 U	0.0500 U	0.155
General Chemistry														
Total Organic Halides (TOX)	ug / L	676 J	281 J	282 J	28.2 J	596 J	920 J	545 J	328 J	231 J	337 J	41.4 J	37.4	313 J
Phenolics (Total)	mg / L	0.0830 U	0.0945 U	0.480	0.618	0.358	0.19 U	0.0765 U	0.0400 U	0.118	0.0172 U	0.0359 U	0.0346 U	0.0186 J
Sample Location:		F1M	G4U	H1U	H3L	J1U	J2M	J3L	Rinse Blank					
Sample ID:		F1M1102	G4U1102	H1U1102	H3L1102	J1U1102	J2M1102	J3L1102	NPWRIN1102					
Sample Date:		11/05/02	11/06/02	11/06/02	11/06/02	11/04/02	11/05/02	11/05/02	11/05/02					
Parameter	Unit													
Acids														
2-Chlorobenzoic acid	mg / L	0.0250 U	0.0250 U	0.0584	0.0398	0.721	0.190	1.43 J	0.0250 U					
3-Chlorobenzoic acid	mg / L	0.0300 U	0.0300 U	0.0300 U	0.0300 U	0.120 U	0.0532	0.432	0.0300 U					
4-Chlorobenzoic acid	mg / L	0.005 U	0.005 U	0.0241	0.005 U	0.449	0.0992	0.309 J	0.005 U					
Benzoic acid	mg / L	0.0250 U	0.0250 U	0.0250 U	0.0250 U	0.100 U	0.0250 U	1.02 J	0.0250 U					
Chlorendic acid	mg / L	0.0500 U	0.0500 U	0.467	0.0500 U	0.200 U	0.280	0.200 U	0.0500 U					
General Chemistry														
Total Organic Halides (TOX)	ug / L	33.2 J	22.0 J	549 J	280 J	245 J	714 J	1250 J						
Phenolics (Total)	mg / L	0.0402 U	0.0250 U	0.124 U	0.297	0.0260 U	0.230	0.815	0.0395					

Notes:

J Estimated.

NDx Non-detect at or above x.

U Non-detect at associated value.

TABLE 2.6

**RESULTS OF STATISTICAL TREND ANALYSES MONITORING EVALUATION
NAPL PLUME CONTAINMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

Case	Location	Analyte	Number of Observations	Percentage Non-Detect	Trend Test			
					Method	Test Statistic	Probability	Conclusion
1	B1U	Benzoic acid	8	100.0%	Non-detect	--	--	ND
2	B1U	Chlorendic acid	8	0.0%	Mann-Kendall	-14	0.11	NST
3	B1U	Phenolics (Total)	8	37.5%	Mann-Kendall	16	0.06	NST
4	B1U	Total Chlorobenzoic Acid	8	0.0%	Mann-Kendall	10	0.27	NST
5	B1U	Total Organic Halides (TOX)	8	12.5%	Mann-Kendall	-24	0.00	Decreasing
6								
7	B1M	Benzoic acid	8	75.0%	Logistic Regression	-0.384	0.94	NST
8	B1M	Chlorendic acid	8	12.5%	Mann-Kendall	-12	0.17	NST
9	B1M	Phenolics (Total)	8	50.0%	Logistic Regression	-0.006	0.18	NST
10	B1M	Total Chlorobenzoic Acid	8	25.0%	Mann-Kendall	-14	0.11	NST
11	B1M	Total Organic Halides (TOX)	8	12.5%	Mann-Kendall	-14	0.11	NST
12								
13	B1L	Benzoic acid	7	100.0%	Non-detect	--	--	ND
14	B1L	Chlorendic acid	7	14.3%	Mann-Kendall	-15	0.04	Decreasing
15	B1L	Phenolics (Total)	7	14.3%	Mann-Kendall	13	0.07	NST
16	B1L	Total Chlorobenzoic Acid	7	14.3%	Mann-Kendall	-3	0.76	NST
17	B1L	Total Organic Halides (TOX)	7	14.3%	Mann-Kendall	-11	0.13	NST
18								
19	C1U	Benzoic acid	8	100.0%	Non-detect	--	--	ND
20	C1U	Chlorendic acid	8	0.0%	Mann-Kendall	2	0.90	NST
21	C1U	Phenolics (Total)	8	62.5%	Logistic Regression	-0.001	0.84	NST
22	C1U	Total Chlorobenzoic Acid	8	25.0%	Mann-Kendall	-4	0.71	NST
23	C1U	Total Organic Halides (TOX)	8	0.0%	Mann-Kendall	-16	0.06	NST
24								
25	C1M	Benzoic acid	8	100.0%	Non-detect	--	--	ND
26	C1M	Chlorendic acid	8	12.5%	Mann-Kendall	-4	0.71	NST
27	C1M	Phenolics (Total)	8	50.0%	Logistic Regression	0.001	0.70	NST
28	C1M	Total Chlorobenzoic Acid	8	87.5%	Logistic Regression	-0.004	0.49	NST
29	C1M	Total Organic Halides (TOX)	8	12.5%	Mann-Kendall	-12	0.17	NST
30								
31	C1L	Benzoic acid	7	100.0%	Non-detect	--	--	ND
32	C1L	Chlorendic acid	7	14.3%	Mann-Kendall	1	1.00	NST
33	C1L	Phenolics (Total)	7	28.6%	Mann-Kendall	5	0.55	NST
34	C1L	Total Chlorobenzoic Acid	7	42.9%	Mann-Kendall	-4	0.65	NST
35	C1L	Total Organic Halides (TOX)	7	0.0%	Mann-Kendall	-11	0.13	NST
36								
37	D3U	Benzoic acid	8	100.0%	Non-detect	--	--	ND
38	D3U	Chlorendic acid	8	0.0%	Mann-Kendall	-8	0.39	NST
39	D3U	Phenolics (Total)	8	62.5%	Logistic Regression	0.006	0.21	NST
40	D3U	Total Chlorobenzoic Acid	8	100.0%	Non-detect	--	--	ND
41	D3U	Total Organic Halides (TOX)	8	0.0%	Mann-Kendall	-16	0.06	NST
42								
43	D2M	Benzoic acid	7	100.0%	Non-detect	--	--	ND
44	D2M	Chlorendic acid	7	0.0%	Mann-Kendall	-15	0.04	Decreasing
45	D2M	Phenolics (Total)	7	42.9%	Mann-Kendall	-3	0.76	NST
46	D2M	Total Chlorobenzoic Acid	7	42.9%	Mann-Kendall	-14	0.05	NST
47	D2M	Total Organic Halides (TOX)	7	0.0%	Mann-Kendall	-17	0.02	Decreasing
48								
49	D1L	Benzoic acid	7	100.0%	Non-detect	--	--	ND
50	D1L	Chlorendic acid	7	100.0%	Non-detect	--	--	ND
51	D1L	Phenolics (Total)	7	0.0%	Mann-Kendall	9	0.23	NST
52	D1L	Total Chlorobenzoic Acid	7	100.0%	Non-detect	--	--	ND
53	D1L	Total Organic Halides (TOX)	7	28.6%	Mann-Kendall	-1	1.00	NST
54								
55	E3U	Benzoic acid	8	100.0%	Non-detect	--	--	ND
56	E3U	Chlorendic acid	8	12.5%	Mann-Kendall	-4	0.71	NST
57	E3U	Phenolics (Total)	8	37.5%	Mann-Kendall	5	0.62	NST
58	E3U	Total Chlorobenzoic Acid	8	100.0%	Non-detect	--	--	ND
59	E3U	Total Organic Halides (TOX)	8	37.5%	Mann-Kendall	-8	0.39	NST
60								
61	E3M	Benzoic acid	8	100.0%	Non-detect	--	--	ND
62	E3M	Chlorendic acid	8	100.0%	Non-detect	--	--	ND
63	E3M	Phenolics (Total)	8	75.0%	Logistic Regression	-0.008	0.21	NST
64	E3M	Total Chlorobenzoic Acid	8	100.0%	Non-detect	--	--	ND

TABLE 2.6

RESULTS OF STATISTICAL TREND ANALYSES MONITORING EVALUATION
NAPL PLUME CONTAINMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM

Case	Location	Analyte	Number of Observations	Percentage Non-Detect	Trend Test			
					Method	Test Statistic	Probability	Conclusion
65	E3M	Total Organic Halides (TOX)	8	25.0%	Mann-Kendall	-8	0.39	NST
66								
67	E2L	Benzoic acid	6	100.0%	Non-detect	--	--	ND
68	E2L	Chlorendic acid	6	83.3%	Logistic Regression	0.011	0.38	NST
69	E2L	Phenolics (Total)	6	66.7%	Logistic Regression	-0.008	0.30	NST
70	E2L	Total Chlorobenzoic Acid	6	100.0%	Non-detect	--	--	ND
71	E2L	Total Organic Halides (TOX)	6	16.7%	Mann-Kendall	3	0.71	NST
72								
73	F4U	Benzoic acid	8	100.0%	Non-detect	--	--	ND
74	F4U	Chlorendic acid	8	100.0%	Non-detect	--	--	ND
75	F4U	Phenolics (Total)	8	87.5%	Logistic Regression	-0.002	0.78	NST
76	F4U	Total Chlorobenzoic Acid	8	87.5%	Logistic Regression	-0.004	0.50	NST
77	F4U	Total Organic Halides (TOX)	8	25.0%	Mann-Kendall	-10	0.27	NST
78								
79	F1M	Benzoic acid	8	100.0%	Non-detect	--	--	ND
80	F1M	Chlorendic acid	8	100.0%	Non-detect	--	--	ND
81	F1M	Phenolics (Total)	8	75.0%	Logistic Regression	0.001	0.73	NST
82	F1M	Total Chlorobenzoic Acid	8	100.0%	Non-detect	--	--	ND
83	F1M	Total Organic Halides (TOX)	8	25.0%	Mann-Kendall	4	0.71	NST
84								
85	F2L	Benzoic acid	5	100.0%	Non-detect	--	--	ND
86	F2L	Chlorendic acid	5	100.0%	Non-detect	--	--	ND
87	F2L	Phenolics (Total)	5	40.0%	Mann-Kendall	6	0.22	NST
88	F2L	Total Chlorobenzoic Acid	5	100.0%	Non-detect	--	--	ND
89	F2L	Total Organic Halides (TOX)	5	40.0%	Mann-Kendall	-6	0.22	NST
90								
91	G4U	Benzoic acid	5	100.0%	Non-detect	--	--	ND
92	G4U	Chlorendic acid	5	100.0%	Non-detect	--	--	ND
93	G4U	Phenolics (Total)	5	20.0%	Mann-Kendall	4	0.46	NST
94	G4U	Total Chlorobenzoic Acid	5	100.0%	Non-detect	--	--	ND
95	G4U	Total Organic Halides (TOX)	5	20.0%	Mann-Kendall	0	1.00	NST
96								
97	G1M	Benzoic acid	8	100.0%	Non-detect	--	--	ND
98	G1M	Chlorendic acid	8	12.5%	Mann-Kendall	2	0.90	NST
99	G1M	Phenolics (Total)	8	87.5%	Logistic Regression	-0.002	0.78	NST
100	G1M	Total Chlorobenzoic Acid	8	50.0%	Logistic Regression	-0.001	0.79	NST
101	G1M	Total Organic Halides (TOX)	8	12.5%	Mann-Kendall	-2	0.90	NST
102								
103	G1L	Benzoic acid	6	100.0%	Non-detect	--	--	ND
104	G1L	Chlorendic acid	6	100.0%	Non-detect	--	--	ND
105	G1L	Phenolics (Total)	6	50.0%	Logistic Regression	-0.014	0.194	NST
106	G1L	Total Chlorobenzoic Acid	6	0.0%	Mann-Kendall	-3	0.70711434	NST
107	G1L	Total Organic Halides (TOX)	6	16.7%	Mann-Kendall	-5	0.452370216	NST
108								
109	H1U	Benzoic acid	8	100.0%	Non-detect	--	--	ND
110	H1U	Chlorendic acid	8	100.0%	Non-detect	--	--	ND
111	H1U	Phenolics (Total)	8	50.0%	Logistic Regression	-0.003	0.38	NST
112	H1U	Total Chlorobenzoic Acid	8	12.5%	Mann-Kendall	13	0.14	NST
113	H1U	Total Organic Halides (TOX)	8	12.5%	Mann-Kendall	6	0.54	NST
114								
115	H2M	Total Chlorobenzoic Acid	8	87.5%	Logistic Regression	0.291	0.94	NST
116	H2M	Benzoic acid	8	100.0%	Non-detect	--	--	ND
117	H2M	Chlorendic acid	8	100.0%	Non-detect	--	--	ND
118	H2M	Phenolics (Total)	8	87.5%	Logistic Regression	-0.002	0.78	NST
119	H2M	Total Organic Halides (TOX)	8	37.5%	Mann-Kendall	6	0.54	NST
120								
121	H3L	Benzoic acid	8	37.5%	Mann-Kendall	-3	0.80	NST
122	H3L	Chlorendic acid	8	37.5%	Mann-Kendall	-7	0.46	NST
123	H3L	Phenolics (Total)	8	0.0%	Mann-Kendall	-8	0.39	NST
124	H3L	Total Chlorobenzoic Acid	8	0.0%	Mann-Kendall	-4	0.71	NST
125	H3L	Total Organic Halides (TOX)	8	12.5%	Mann-Kendall	-2	0.90	NST
126								
127	J1U	Benzoic acid	8	0.0%	Mann-Kendall	1	1.00	NST
128	J1U	Chlorendic acid	8	87.5%	Logistic Regression	0.01	0.35	NST

**RESULTS OF STATISTICAL TREND ANALYSES MONITORING EVALUATION
NAPL PLUME CONTAINMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Case</i>	<i>Location</i>	<i>Analyte</i>	<i>Number of Observations</i>	<i>Percentage Non-Detect</i>	<i>Trend Test</i>			
					<i>Method</i>	<i>Test Statistic</i>	<i>Probability</i>	<i>Conclusion</i>
129	J1U	Phenolics (Total)	8	0.0%	Mann-Kendall	0	1.00	NST
130	J1U	Total Chlorobenzoic Acid	8	0.0%	Mann-Kendall	-2	0.90	NST
131	J1U	Total Organic Halides (TOX)	8	12.5%	Mann-Kendall	-10	0.27	NST

Notes:

Data used for the statistical tests include monitoring events from 2001 to present.

Logistic Logistic regression used for trend test ($\geq 50\%$ ND).

Mann-Kendall Mann-Kendall method used for trend test ($<50\%$ ND).

ND Parameter not detected at this location. No trend analysis performed.

NST No statistically significant ($P < 0.05$) trend detected.

Increasing Statistically significant ($P < 0.05$) increasing trend detected.

Decreasing Statistically significant ($P < 0.05$) decreasing trend detected.

N / A No analytical data available for fourth quarter 2002 monitoring event, therefore, no statistical analysis performed.

TABLE 2.7

**COMPARISON OF STATISTICAL TREND ANALYSES
(2001 AND 2002 DATA)
NAPL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM**

<i>Case</i>	<i>Location</i>	<i>Analyte</i>	<i>First Quarter 2001</i>		<i>Second Quarter 2001</i>		<i>Third Quarter 2001</i>		<i>Fourth Quarter 2001</i>	
			<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>
1	B1U	Chlorendic Acid	9	NST	10	NST	11	NST	8	Increasing
2	B1U	Total Organic Halides	9	NST	10	NST	11	NST	8	Decreasing
3										
4	B1M	Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	NST
5	B1M	Total Organic Halides	9	Decreasing	10	Decreasing	11	NST	8	NST
6										
7		Chlorendic Acid	9	NST	10	NST	11	NST	8	NST
8	B1L	Total Organic Halides	9	NST	10	NST	11	NST	8	NST
9										
10	C1U	Phenolics	9	NST	10	Decreasing	11	Decreasing	8	NST
11	C1U	Total Organic Halides	9	NST	10	NST	11	NST	8	NST
12										
13	C1M	Chlorendic Acid	9	Decreasing	10	NST	11	NST	8	NST
14	C1M	Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	NST
15	C1M	Total Organic Halides	9	NST	10	NST	11	NST	8	Decreasing
16										
17	C1L	Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	NST
18	C1L	Total Organic Halides	9	Decreasing	10	Decreasing	11	Decreasing	8	NST
19										
21	D3U	No Trends	--	--	--	--	--	--	--	--
20										
22		Chlorendic Acid	9	NST	10	NST	11	NST	8	NST
23	D2M	Phenolics	9	NST	10	NST	11	NST	8	Decreasing
24		Total Organic Halides	9	NST	10	NST	11	NST	8	NST
25										
26	D1L	No Trends	--	--	--	--	--	--	--	--
27										
28	E3U	No Trends	--	--	--	--	--	--	--	--
29										
30	E3M	No Trends	--	--	--	--	--	--	--	--
31										
32	E2L	No Data	--	--	--	--	--	--	--	--
33										
34	F4U	Total Organic Halides	9	NST	10	NST	11	Decreasing	8	Decreasing
35										
36	F1M	Total Organic Halides	9	NST	10	NST	11	Decreasing	8	NST
37										
38	F2L	No Data	--	--	--	--	--	--	--	--
39										
40	G4U	No Trends	--	--	--	--	--	--	--	--
41										
42	G1M	No Trends	--	--	--	--	--	--	--	--
43										
44	G1L	Total Organic Halides	9	Decreasing	10	Decreasing	11	NST	8	NST

TABLE 2.7

**COMPARISON OF STATISTICAL TREND ANALYSES
(2001 AND 2002 DATA)
NAPL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM**

<i>Case</i>	<i>Location</i>	<i>Analyte</i>	<i>First Quarter 2001</i>		<i>Second Quarter 2001</i>		<i>Third Quarter 2001</i>		<i>Fourth Quarter 2001</i>	
			<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>
45										
46	H1U	No Trends	--	--	--	--	--	--	--	--
47										
48	H2M	Total Organic Halides	9	Decreasing	10	NST	11	NST	8	NST
49										
50	H3L	Total Organic Halides	9	Decreasing	10	Decreasing	11	Decreasing	8	NST
51										
52	J1U	No Trends	--	--	--	--	--	--	--	--
53										
54	J2M	Benzoic Acid	9	Decreasing	10	NST	11	NST	8	NST
55	J2M	Phenolics	9	Decreasing	10	Decreasing	11	NST	8	NST
56	J2M	Total Chlorobenzoic Acid	9	Decreasing	10	NST	11	NST	8	Increasing
57	J2M	Total Organic Halides	9	Decreasing	10	NST	11	NST	8	NST
58										
59	J3L	Total Chlorobenzoic Acid	9	NST	10	NST	11	NST	8	Increasing

Notes:

No Trends No statistically significant trends identified to date for any of the analytes at this well.

No Data No data collected at this well for the year 2001 sampling rounds.

NST No statistically significant ($P < 0.05$) trend detected.

Increasing Statistically significant ($P < 0.05$) increasing trend detected.

Decreasing Statistically significant ($P < 0.05$) decreasing trend detected.

N / A No analytical data available for fourth quarter 2002 monitoring event, therefore, no statistical analysis performed.

TABLE 2.7

**COMPARISON OF STATISTICAL TREND ANALYSES
(2001 AND 2002 DATA)
NAPL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM**

Case	Location	Analyte	First Quarter 2002		Second Quarter 2002		Third Quarter 2002		Fourth Quarter 2002	
			Number of Samples	Conclusion	Number of Samples	Conclusion	Number of Samples	Conclusion	Number of Samples	Conclusion
1	B1U	Chlorendic Acid	9	NST	10	NST	11	NST	8	NST
2	B1U	Total Organic Halides	9	Decreasing	10	Decreasing	11	Decreasing	8	Decreasing
3										
4	B1M	Total Chlorobenzoic Acid	9	NST	10	NST	11	NST	8	NST
5	B1M	Total Organic Halides	9	NST	10	NST	11	NST	8	NST
6										
7		Chlorendic Acid	9	NST	10	NST	11	NST	7	Decreasing
8	B1L	Total Organic Halides	9	NST	10	Decreasing	11	Decreasing	7	NST
9										
10	C1U	Phenolics	9	NST	10	NST	11	NST	8	NST
11	C1U	Total Organic Halides	9	Decreasing	10	Decreasing	11	Decreasing	8	NST
12										
13	C1M	Chlorendic Acid	9	NST	10	NST	11	NST	8	NST
14	C1M	Total Chlorobenzoic Acid	9	NST	10	NST	11	NST	8	NST
15	C1M	Total Organic Halides	9	Decreasing	10	Decreasing	11	NST	8	NST
16										
17	C1L	Total Chlorobenzoic Acid	9	NST	9	NST	10	NST	7	NST
18	C1L	Total Organic Halides	9	NST	9	Decreasing	10	NST	7	NST
19										
21	D3U	No Trends	--	--	--	--	--	--	--	--
20										
22		Chlorendic Acid	9	NST	10	NST	11	NST	7	Decreasing
23	D2M	Phenolics	9	NST	10	NST	11	NST	7	NST
24		Total Organic Halides	9	NST	10	Decreasing	11	NST	7	Decreasing
25										
26	D1L	No Trends	--	--	--	--	--	--	--	--
27										
28	E3U	No Trends	--	--	--	--	--	--	--	--
29										
30	E3M	No Trends	--	--	--	--	--	--	--	--
31										
32	E2L	No Data	--	--	--	--	--	--	--	--
33										
34	F4U	Total Organic Halides	9	NST	10	NST	10	NST	6	NST
35										
36	F1M	Total Organic Halides	9	NST	10	NST	11	NST	8	NST
37										
38	F2L	No Data	--	--	--	--	--	--	--	--
39										
40	G4U	No Trends	--	--	--	--	--	--	--	--
41										
42	G1M	No Trends	--	--	--	--	--	--	--	--
43										
44	G1L	Total Organic Halides	9	NST	9	NST	9	NST	5	NST

TABLE 2.7

**COMPARISON OF STATISTICAL TREND ANALYSES
(2001 AND 2002 DATA)
NAPL PLUME CONTAINMENT SYSTEM
HYDE PARK RRT PROGRAM**

<i>Case</i>	<i>Location</i>	<i>Analyte</i>	<i>First Quarter 2002</i>		<i>Second Quarter 2002</i>		<i>Third Quarter 2002</i>		<i>Fourth Quarter 2002</i>	
			<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>	<i>Number of Samples</i>	<i>Conclusion</i>
45										
46	H1U	No Trends	--	--	--	--	--	--	--	--
47										
48	H2M	Total Organic Halides	9	NST	10	NST	10	NST	6	NST
49										
50	H3L	Total Organic Halides	9	NST	10	NST	11	NST	8	NST
51										
52	J1U	No Trends	--	--	--	--	--	--	--	--
53										
54	J2M	Benzoic Acid	9	NST	10	NST	11	NST	8	NST
55	J2M	Phenolics	9	NST	10	NST	11	NST	8	NST
56	J2M	Total Chlorobenzoic Acid	9	Increasing	10	Increasing	11	Increasing	8	NST
57	J2M	Total Organic Halides	9	NST	10	NST	11	NST	8	NST
58										
59	J3L	Total Chlorobenzoic Acid	9	NST	10	NST	11	NST	8	NST

Notes:

No Trends No statistically significant trends identified to date for any of the analytes at this well.

No Data No data collected at this well for the year 2001 sampling rounds.

NST No statistically significant ($P < 0.05$) trend detected.

Increasing Statistically significant ($P < 0.05$) increasing trend detected.

Decreasing Statistically significant ($P < 0.05$) decreasing trend detected.

N / A No analytical data available for fourth quarter 2002 monitoring event, therefore, no statistical analysis performed.

TABLE 3.1

**WELL PURGING AND SAMPLING SUMMARY
APL PLUME CONTAINMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Well I.D.</i>	<i>Sample I.D.</i>	<i>Sample Date</i>	<i>Sample Time</i>	<i>Initial Water Level (ft. BTOC)</i>	<i>Depth of Well (ft. BTOC)</i>	<i>Standing Well Volume (Gallons)</i>	<i>Purge Volume (Gallons)</i>	<i>Purge Method</i>	<i>Sample Parameters</i>				<i>Final Water Quality</i>	<i>Comments</i>
									<i>pH (s.u.)</i>	<i>Cond (uS/cm)</i>	<i>Temp (°C)</i>	<i>Turbidity (NTU)</i>		
APW-1	APW1S1002	10/09/02	8:00	-	-	-	-	-	8.35	3450	14.2	-	Clear, odorless.	
APW-2	APW2S1002	10/09/02	9:00	-	-	-	-	-	7.37	4110	14.4	-	Clear, odorless.	

Notes:

Cond Specific Conductivity.
uS/cm Micro Siemen / Centimeter.
ft. BTOC Feet Below Top of Casing.
NTU Normal Turbidity Units.
s.u. Standard pH Units.
Temp Temperature.

TABLE 3.2

ANALYTICAL RESULTS SUMMARY
APL PLUME CONTAINMENT SYSTEM - APW CLMP/ACIDS
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM

			<i>Sample Location:</i>	APW-1	APW-2
			<i>Sample ID:</i>	APW1S1002	APW2S1002
			<i>Sample Date:</i>	10/09/02	10/09/02
<i>Collected Liquids Monitoring Parameters</i>	<i>Unit</i>	<i>Monitoring Level</i>			
Chloride	mg / L	1000		750	660
Total Organic Carbon (TOC)	mg / L	200		3.5	2.6
Phenolics (Total)	mg / L	10		0.00725	0.005 U
Total Organic Halides (TOX)	ug / L	500		485 J	303 J
alpha-BHC	ug / L	10		10.0 U	10.0 U
beta-BHC	ug / L	10		10.0 U	10.0 U
delta-BHC	ug / L	10		10.0 U	10.0 U
gamma-BHC (Lindane)	ug / L	10		10.0 U	10.0 U
2-Chlorotoluene	ug / L	10		3.00 U	3.00 U
3-Chlorotoluene	ug / L	10		3.00 U	3.00 U
4-Chlorotoluene	ug / L	10		3.00 U	3.00 U
Chlorobenzene	ug / L	10		14.5	10.0 U
m-Monochlorobenzotrifluoride	ug / L	10		3.00 U	3.00 U
o-Monochlorobenzotrifluoride	ug / L	10		3.00 U	3.00 U
p-Monochlorobenzotrifluoride	ug / L	10		3.00 U	3.00 U
1,2,3,4-Tetrachlorobenzene	ug / L	10		5.00 U	5.00 U
1,2,3-Trichlorobenzene	ug / L	10		3.00 U	3.00 U
1,2,4,5-Tetrachlorobenzene	ug / L	10		5.00 U	5.00 U
1,2,4-Trichlorobenzene	ug / L	10.0		3.00 U	3.00 U
1,3,5-Trichlorobenzene	ug / L	10.0		3.00 U	3.00 U
2,4,5-Trichlorophenol	ug / L	10.0		10.0 U	10.0 U
Octachlorocyclopentene	ug / L	10		3.00 U	3.00 U
Acids					
2-Chlorobenzoic acid	mg / L	100		0.0250 U	0.0250 U
3-Chlorobenzoic acid	mg / L	100		0.0300 U	0.0300 U
4-Chlorobenzoic acid	mg / L	100		0.005 U	0.005 U
Benzoic acid	mg / L	100		0.0250 U	0.0250 U
Chlorendic acid	mg / L	250		0.289 J	0.253 J

Notes:

- * Analyzed for alpha-, beta-, gamma-, and delta-Hexachlorocyclohexanes.
- ** Analyzed for tri-, tetra-, and penta-chlorobiphenyls and reported as Aroclor 1248.
- NDx Not detected at or above x.
- U Non-detect at associated value.

TABLE 4.1

**HYDRAULIC GRADIENT SUMMARY
OVERBURDEN BARRIER COLLECTION SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

Horizontal Well Pair	10/02/02			10/09/02			10/16/02			10/23/02		
	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic
	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)
	(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)	
OMW-1-OMW-2	605.87	606.39	-0.52	605.87	606.39	-0.52	605.87	606.39	-0.52	605.87	597.19	8.68
OMW-3-OMW-4R	599.27	587.93	11.34	599.27	587.93	11.34	599.27	587.83	11.44	599.27	587.43	11.84
OMW-5R-OMW-6	578.15	586.27	-8.12	578.55	585.87	-7.32	578.85	585.67	-6.82	578.65	588.27	-9.62
OMW-8R2-OMW-7	595.31	583.59	11.72	595.31	583.79	11.52	595.31	583.59	11.72	585.71	585.39	0.32
OMW-10R-OMW-9	586.89	587.27	-0.38	586.79	587.17	-0.38	586.59	587.17	-0.58	587.29	587.47	-0.18
OMW-11R-OMW-12R	589.47	590.65	-1.18	589.67	590.65	-0.98	589.67	590.65	-0.98	589.77	590.65	-0.88
OMW-13R-OMW-14R	591.54	591.62	-0.08	591.44	591.72	-0.28	591.54	591.72	-0.18	591.64	591.62	0.02
OMW-15-OMW-16R	600.04	603.53	-3.49	599.94	603.93	-3.99	599.84	603.83	-3.99	599.74	603.73	-3.99

Horizontal Well Pair	10/30/02			11/06/02			11/12/02			11/20/02		
	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic
	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)
	(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)	
OMW-1-OMW-2	605.87	597.09	8.78	605.87	606.39	-0.52	605.87	603.19	2.68	605.87	603.29	2.58
OMW-3-OMW-4R	599.27	587.33	11.94	599.27	587.23	12.04	599.27	586.73	12.54	599.27	586.53	12.74
OMW-5R-OMW-6	579.05	585.97	-6.92	578.95	585.97	-7.02	578.95	585.87	-6.92	578.95	585.97	-7.02
OMW-8R2-OMW-7	585.61	584.79	0.82	585.51	584.69	0.82	585.61	584.59	1.02	585.81	584.69	1.12
OMW-10R-OMW-9	587.19	587.47	-0.28	586.69	587.57	-0.88	586.69	587.47	-0.78	586.79	587.37	-0.58
OMW-11R-OMW-12R	590.37	590.55	-0.18	590.57	590.35	0.22	590.37	590.45	-0.08	590.27	590.35	-0.08
OMW-13R-OMW-14R	592.14	591.52	0.62	592.34	591.62	0.72	592.44	591.62	0.82	592.74	591.42	1.32
OMW-15-OMW-16R	600.24	603.63	-3.39	600.34	603.43	-3.09	600.44	603.53	-3.09	600.54	603.73	-3.19

TABLE 4.1

**HYDRAULIC GRADIENT SUMMARY
OVERBURDEN BARRIER COLLECTION SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

Horizontal Well Pair	11/27/02			12/04/02			12/11/02			12/18/02		
	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic
	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)
	(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)	
OMW-1-OMW-2	600.77	604.09	-3.32	599.07	603.69	-4.62	599.67	603.39	-3.72	601.77	604.29	-2.52
OMW-3-OMW-4R	599.27	586.23	13.04	599.27	586.43	12.84	599.27	586.43	12.84	599.27	586.83	12.44
OMW-5R-OMW-6	578.75	585.97	-7.22	578.55	588.27	-9.72	578.65	585.77	-7.12	583.35	586.17	-2.82
OMW-8R2-OMW-7	585.61	584.49	1.12	585.71	584.99	0.72	586.81	585.09	1.72	587.61	585.19	2.42
OMW-10R-OMW-9	586.29	587.97	-1.68	595.79	587.87	7.92	595.79	587.67	8.12	586.79	587.97	-1.18
OMW-11R-OMW-12R	591.62	591.35	0.27	591.47	591.25	0.22	591.47	591.25	0.22	591.87	591.45	0.42
OMW-13R-OMW-14R	592.44	591.12	1.32	592.34	591.12	1.22	592.44	590.92	1.52	592.94	591.52	1.42
OMW-15-OMW-16R	600.34	603.63	-3.29	600.24	603.53	-3.29	600.24	603.43	-3.19	598.24	604.13	-5.89

Vertical Well Pair	October 2002			November 2002			December 2002		
	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic	Inner	Outer	Hydraulic
	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)	Elevation	Elevation	Gradients(1)
	(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)		(feet AMSL)	(feet AMSL)	
B1U-OMW-6	564.95	585.97	-21.02	564.95	585.97	-21.02	564.95	585.97	-21.02
B1U-OMW-8R2	564.95	585.61	-20.66	564.95	585.61	-20.66	564.95	585.61	-20.66
B1U-OMW-9	564.95	587.97	-23.02	564.95	587.97	-23.02	564.95	587.97	-23.02

Notes:

(1) Negative number indicates an inward / downward gradient measured in feet.

AMSL Above Mean Sea Level.

TABLE 4.2
OVERBURDEN BARRIER COLLECTION SYSTEM
NAPL PRESENCE MONITORING
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM

<i>Well I.D.</i>	<i>1st Quarter 2002</i>	<i>2nd Quarter 2002</i>	<i>3rd Quarter 2002</i>	<i>4th Quarter 2002</i>
OMW1	NO	NO	NO	NO
OMW2	NO	NO	NO	NO
OMW3	NO	NO	NO	NO
OMW4	-	-	-	-
OMW4R	NO	NO	NO	NO
OMW5	-	-	-	-
OMW5R	NO	NO	NO	NO
OMW6	NO	NO	NO	NO
OMW7	NO	NO	NO	NO
OMW8	-	-	-	-
OMW8R	-	-	-	-
OMW8R2	NO	NO	NO	NO
OMW9	NO	NO	NO	NO
OMW10	-	-	-	-
OMW10R	NO	NO	NO	NO
OMW11	-	-	-	-
OMW11R	NO	NO	NO	NO
OMW12	-	-	-	-
OMW12R	NO	NO	NO	NO
OMW13	-	-	-	-
OMW13R	NO	NO	NO	NO
OMW14	-	-	-	-
OMW14R	NO	NO	NO	NO
OMW15	NO	NO	NO	NO
OMW16	-	-	-	-
OMW16R	NO	NO	NO	NO

Notes:

- Not Available.
NO Not Observed.

TABLE 4.3

**HYDRAULIC GRADIENT SUMMARY
COMMUNITY MONITORING PROGRAM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Well Pair</i>	<i>December 2002</i>		
	<i>Bedrock Elevation (feet AMSL)</i>	<i>Overburden Elevation (feet AMSL)</i>	<i>Hydraulic Gradients(1)</i>
CMW-1SH-CMW-1OB	565.67	571.22	-5.55
CMW-2SH-CMW-2OB	565.53	588.05	-22.52
CMW-3SH-CMW-3OB	550.19	570.54	-20.35
CMW-4SH-CMW-4OB	565.97	572.29	-6.32
CMW-5SH-CMW-5OB	576.92	579.43	-2.51
CMW-6SH-CMW-6OB	562.48	570.45	-7.97
CMW-7SH-CMW-7OB	599.21	606.97	-7.76
CMW-8SH-CMW-8OB	607.61	Dry	N / A
CMW-9SH-CMW-9OB	560.66	570.06	-9.40
CMW-11SH-CMW-11OB	NM	570.91	N / A

Notes:

- (1) Negative number indicates an inward / downward gradient measured in feet.
 N / A Not applicable.
 NM Not measured.
 AMSL Above Mean Sea Level.

TABLE 4.4

**ANALYTICAL RESULTS SUMMARY
SOIL VAPOR SAMPLING
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

		Sample Location:	CMW-7OB	CMW-8OB
		Sample ID:	CMW71102	CMW81102
		Sample Date:	11/20/02	11/20/02
Parameter	Unit			
2-Chlorotoluene	mg / m3	0.0012 U	0.0012 U	
Chlorobenzene	mg / m3	0.0012 U	0.0012 U	
m-Monochlorobenzotrifluoride	mg / m3	0.0012 U	0.0012 U	
o-Monochlorobenzotrifluoride	mg / m3	0.0012 U	0.0012 U	
p-Monochlorobenzotrifluoride	mg / m3	0.0012 U	0.0012 U	

Notes:

U Non-detect at Associated Value.

TABLE 5.1

**DAILY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Date</i>	<i>Operating Hours</i>	<i>TOC* - mg/L</i>			<i>PHENOL** - mg/L</i>			<i>Effluent</i>		
		<i>C.B. Feed</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>C.B. Feed</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>pH</i>	<i>Gallons</i>	<i>Comments</i>
10/01/02	-	-	1.4	1.6	-	0.341	0.417	7.1	144,000	
10/02/02	-	-	-	1.6	-	-	0.0729	7.06	101,000	
10/03/02	-	-	-	1.9	-	0.0526	0.0500 U	7.04	86,000	
10/04/02	-	-	-	1.5	-	0.0500 U	0.0500 U	6.9	103000	
10/05/02	-	-	-	-	-	-	-	-	-	
10/06/02	-	-	-	-	-	-	-	-	-	
10/07/02	-	-	-	1.8	-	0.150	0.0578	7.01	200000	
10/08/02	-	-	-	1.8	-	0.130	0.124	6.51	154000	
10/09/02	-	-	-	2.1	-	0.326	0.130	6.75	66000	
10/10/02	-	-	-	3.0	-	0.416	0.0504	7.09	97,000	
10/11/02	-	-	-	2.2	-	0.0948	0.0579	7	105,000	
10/12/02	-	-	-	-	-	-	-	-	-	
10/13/02	-	-	-	-	-	-	-	-	-	
10/14/02	-	-	-	1.4	-	0.0632	0.0570	7.07	210000	
10/15/02	-	-	-	2.3	-	0.585	0.005 U	6.98	137000	
10/16/02	-	-	-	1.5	-	0.129	0.0500 U	7.02	100000	
10/17/02	-	-	-	2.6	-	0.423	0.388	7.02	123,000	
10/18/02	-	-	-	1.7	-	0.445	0.314	7.2	94,000	
10/19/02	-	-	-	-	-	-	-	-	-	
10/20/02	-	-	-	-	-	-	-	-	-	
10/21/02	-	-	-	1.7	-	0.0688	0.0760	7.15	212000	
10/22/02	-	-	-	2.2	-	0.0770	0.116	7.16	208,000	
10/23/02	-	-	-	1.7	-	0.222	0.151	7.04	111,000	
10/24/02	-	-	-	2.2	-	0.657	0.0951	7.05	96,000	
10/25/02	-	-	-	3.1	-	0.173	0.104	7.04	102,000	
10/26/02	-	-	-	-	-	-	-	-	-	
10/27/02	-	-	-	-	-	-	-	-	-	
10/28/02	-	-	-	1.5	-	0.308	0.0759	7.08	196000	
10/29/02	-	-	-	2.5	-	0.568	0.0804	7.16	197,000	
10/30/02	-	-	-	1.4 U	-	0.303	0.108	7.1	105,000	
10/31/02	-	-	-	1.6 U	-	0.112	0.109	7.35	89,000	

TABLE 5.1

**DAILY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Date</i>	<i>Operating Hours</i>	<i>TOC* - mg/L</i>			<i>PHENOL** - mg/L</i>			<i>Effluent</i>		
		<i>C.B. Feed</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>C.B. Feed</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>pH</i>	<i>Gallons</i>	<i>Comments</i>
11/01/02	-	-	-	1.5 U	-	1.17	0.0898	7.12	97,000	
11/02/02	-	-	-	-	-	-	-	-	-	
11/03/02	-	-	-	-	-	-	-	-	-	
11/04/02	-	-	-	1.8	-	0.570 J	0.0555 J	7.19	201000	
11/05/02	-	-	-	2.1	-	0.103	0.170	7.27	191,000	
11/06/02	-	-	-	2.1	-	0.174	0.0328	7.16	100,000	
11/07/02	-	-	-	1.9	-	0.0971	0.0721	7.22	97,000	
11/08/02	-	-	-	1.6	-	0.198	0.192	7.32	93,000	
11/09/02	-	-	-	-	-	-	-	-	-	
11/10/02	-	-	-	-	-	-	-	-	-	
11/11/02	-	-	-	1.8	-	0.324	0.0862	7.39	210000	
11/12/02	-	-	-	2.6	-	0.0979	0.194	7.37	177,000	
11/13/02	-	-	-	-	-	-	-	-	-	
11/14/02	-	-	-	2.4	-	0.179	0.136	7.27	179,000	
11/15/02	-	-	-	2.5	-	0.455	0.0734	6.22	104,000	
11/16/02	-	-	-	-	-	-	-	-	-	
11/17/02	-	-	-	-	-	-	-	-	-	
11/18/02	-	-	-	1.7	-	0.478	0.0649	6.57	203000	
11/19/02	-	-	-	2.4	-	0.599	0.0971	6.6	175,000	
11/20/02	-	-	-	1.1	-	0.216	0.173	6.7	115,000	
11/21/02	-	-	-	16	-	0.0616	0.0807	6.72	110,000	
11/22/02	-	-	-	17	-	0.299	0.0887	6.74	128,000	
11/23/02	-	-	-	-	-	-	-	-	-	
11/24/02	-	-	-	-	-	-	-	-	-	
11/25/02	-	-	-	14	-	0.0787	0.0481	6.47	278000	
11/26/02	-	-	-	2.8	-	0.117	0.0894	6.7	216,000	
11/27/02	-	-	-	1.6	-	0.197	0.0662	6.6	188,000	
11/28/02	-	-	-	-	-	-	-	-	-	
11/29/02	-	-	-	1.5	-	0.181	0.0361	6.62	167,000	
11/30/02	-	-	-	-	-	-	-	-	-	

TABLE 5.1

**DAILY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Date</i>	<i>Operating Hours</i>	<i>TOC* - mg/L</i>			<i>PHENOL** - mg/L</i>			<i>Effluent</i>		
		<i>C.B. Feed</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>C.B. Feed</i>	<i>4th Instg.</i>	<i>Effluent</i>	<i>pH</i>	<i>Gallons</i>	<i>Comments</i>
12/01/02	-	-	-	-	-	-	-	-	-	
12/02/02	-	-	-	1.9	-	0.344	0.0625	6.67	209,000	
12/03/02	-	-	-	3.1	-	0.0378	0.0882	6.65	209,000	
12/04/02	-	-	-	1.0 U	-	0.370	0.0466	6.61	189,000	
12/05/02	-	-	-	1.9	-	0.135	0.0238	6.57	106,000	
12/06/02	-	-	-	1.0 U	-	0.124	0.0357	6.55	104,000	
12/07/02	-	-	-	-	-	-	-	-	-	
12/08/02	-	-	-	-	-	-	-	-	-	
12/09/02	-	-	-	1.0 U	-	0.232	0.0380	7.22	208,000	
12/10/02	-	-	-	5.9 J	-	0.277	0.0393	7.19	189,000	
12/11/02	-	-	-	1.2	-	0.112	0.0542	7.09	102,000	
12/12/02	-	-	-	1.2	-	0.316	0.106	7.17	109,000	
12/13/02	-	-	-	1.1	-	0.128	0.0259	7.3	136,000	
12/14/02	-	-	-	-	-	-	-	-	-	
12/15/02	-	-	-	-	-	-	-	-	-	
12/16/02	-	-	-	1.0 U	-	0.288	0.0440	7.37	204,000	
12/17/02	-	-	-	1.7	-	0.220	0.156	7.2	199,000	
12/18/02	-	-	-	1.0 U	-	0.176	0.176	7.23	205,000	
12/19/02	-	-	-	1.0 U	-	0.314	0.0434	7.23	199,000	
12/20/02	-	-	-	1.0 U	-	0.333	0.137	7.36	167,000	
12/21/02	-	-	-	-	-	-	-	-	-	
12/22/02	-	-	-	-	-	-	-	-	-	
12/23/02	-	-	-	1.0 U	-	0.277	0.0281	7.2	259,000	
12/24/02	-	-	-	5.5	-	0.0969	0.0244 J	7.35	178,000	
12/25/02	-	-	-	-	-	-	-	-	-	
12/26/02	-	-	-	5.2	-	0.183	0.0220	7.25	215,000	
12/27/02	-	-	-	1.8	-	0.118	0.0306	7.36	215,000	
12/28/02	-	-	-	1.2	-	0.102	0.0458	7.3	171,000	
12/29/02	-	-	-	1.0	-	0.504	0.0494	7.37	159,000	
12/30/02	-	-	-	1.0 U	-	0.324	0.0370	7.35	172,000	
12/31/02	-	-	-	1.5	-	0.357	0.0486	7.37	119,000	

Notes:

- Not Available / Not Applicable.
- J Estimated.
- U Non-detect at Associated Value.

TABLE 5.2

**WEEKLY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Parameter</i>	<i>Units</i>	<i>Treatment</i>	<i>10/04/02</i>	<i>10/11/02</i>	<i>10/18/02</i>	<i>10/25/02</i>	<i>10/31/02</i>	<i>11/01/02</i>	<i>11/08/02</i>	<i>11/15/02</i>
		<i>Level</i>								
2-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
3-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
4-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Chlorobenzene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
m-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
o-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
p-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Tetrachloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

<i>Parameter</i>	<i>Units</i>	<i>Treatment</i>	<i>11/22/02</i>	<i>11/29/02</i>	<i>12/06/02</i>	<i>12/09/02</i>	<i>12/13/02</i>	<i>12/20/02</i>	<i>12/27/02</i>	<i>12/31/02</i>
		<i>Level</i>								
2-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
3-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
4-Chlorotoluene		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Chlorobenzene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
m-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
o-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
p-Monochlorobenzotrifluoride		10	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U	3.00 U
Tetrachloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
Trichloroethene		10	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U

Notes:

- Not Available/ Not Applicable.
- J Associated Value is Estimated.
- U Non-detect at Associated Value.

TABLE 5.3

**MONTHLY EFFLUENT MONITORING DATA
LEACHATE TREATMENT SYSTEM
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM**

<i>Parameter</i>	<i>Units</i>	<i>Treatment Level</i>	<i>October 2002</i>	<i>November 2002</i>	<i>December 2002</i>
1,2,3,4-Tetrachlorobenzene	µg/L	10	5.26 U	5.00 U	5.00 U
1,2,3-Trichlorobenzene	#N/A	10	-	-	-
1,2,4,5-Tetrachlorobenzene	µg/L	10	5.26 U	5.00 U	5.00 U
1,2,4-Trichlorobenzene	#N/A	10	-	-	-
1,3,5-Trichlorobenzene	#N/A	10	-	-	-
2,4,5-Trichlorophenol	µg/L	10	10.5 U	10.0 U	10.0 U
Hexachlorobenzene	µg/L	10	3.16 U	3.00 U	3.00 U
Hexachlorobutadiene	µg/L	10	10.5 U	10.0 U	10.0 U
Hexachlorocyclopentadiene	µg/L	10	10.5 U	10.0 U	10.0 U
Octachlorocyclopentene	µg/L	10	3.16 U	3.00 U	3.00 U
<i>Pesticides</i>					
alpha-BHC	µg/L	10	2.50 U	2.50 U	2.40 U
beta-BHC	µg/L	10	2.50 U	2.50 U	2.40 U
delta-BHC	µg/L	10	2.50 U	2.50 U	2.40 U
gamma-BHC (Lindane)	µg/L	10	2.50 U	2.50 U	2.40 U

Notes:

- Not Available / Not Applicable.
- J Associated Value is Estimated.
- U Non-detect at Associated Value.

TABLE 6.1
MONTHLY NAPL ACCUMULATION
FOURTH QUARTER 2002
HYDE PARK RRT PROGRAM

	<i>NAPL Volume Per Decanter</i>			<i>Manually Recovered NAPL (Gallons)</i>	<i>NAPL Removed Decanter</i>			<i>Total</i>	<i>Disposed Total Shipped (Gallons)</i>
	<i>1</i>	<i>2</i>	<i>3</i>		<i>1</i>	<i>2</i>	<i>3</i>		
	<i>(Gallons)</i>				<i>(Gallons)</i>				
Dec-01	0	1628	1252						
Jan-02	752	1,880	1,504	25	0	0	0	0	0
Feb-02	752	3,132	1,316	23	0	0	0	0	0
Mar-02	752	3,132	1,504	44	0	0	0	0	0
1st Quarter	752	1,504	252	92	0	0	0	0	0
Apr-02	0	3,102	1,567	0	752	0	0	0	0
May-02	0	2,860	1,762	32	0	0	0	0	0
Jun-02	0	3,169	1,853	22	0	0	0	0	0
2nd Quarter	0	37	349	54	752	0	0	0	0
Jul-02	0	1,015	1,925	28	0	0	0	0	3,960
Aug-02	0	1901	1167	27	0	0	0	0	3,374
Sep-02	0	2283	1313	25	0	0	0	0	0
3rd Quarter	0	2,246	964	80	0	0	0	0	7,334
Oct-02	0	2,362	1,416	0	0	0	0	0	7,500
Nov-02	0	2,217	1,440	0	0	0	0	0	12,638
Dec-02	0	2,884	1,549	0	0	0	0	0	8,000
4th Quarter	0	638	585	0	0	0	0	0	28,138
<i>Year to Date:</i>				226	752	0	0	0	35,472

Notes:

Manual Recoveries:

- (1) January 11: PMW-3U 25.0 gals.
- (2) February 7: CD1U 3.0 gals; and PMW-3U 20.0 gals.
- (3) March 8: PMW-3M 4.0 gals; and PMW-3U 22.0 gals.
March 28: PMW-3U 18 gals.
- (4) May 9: PMW3U 12.0 gals; May 29: CD1U 5.0 gals and PMW3U 15.0 gals.
- (5) June 28: PMW3U 22.0 gals.
- (6) Decanter #1 out of service in April 2002 for maintenance, bedrock wells re-routed to #3 Decanter.
- (7) PMW3U: July 28, 28 gals.; August 2, 27 gals.; September 3, 25 gals.